

## MANUAL COMPACTION HAMMER VERIFICATION PROCEDURE #21

Revised 4/24/2002

Equipment Checked:     **MANUAL HAMMER (AASHTO T 245)**

Purpose:

This method provides instructions for checking the critical dimensions of the hammer used for compacting plugs.

Inspection Equipment Required:

1.     Calipers readable to 0.001 inch.
2.     Tape measure readable to 1/16 inch.
3.     Balance, capacity 5 kg, readable to 1 g.

Tolerance:

Equipment shall meet the dimensional tolerances specified in the applicable test method.

Procedure:

1.     Measure and record the diameter of the rammer face determined by taking two readings 90° apart using the calipers.
2.     Pull up the handle, measure and record the drop height of the hammer. Determine this height inside the guide-sleeve using the tape measure.
3.     Remove the hammer from the guide-sleeve. Determine and record its mass to the nearest 1 g.
4.     Measure and record the diameters of the vent holes near the end of the hammer.

## EQUIPMENT CALIBRATION RECORD

### Calibration Procedure No. 21 Manual Hammer (AASHTO T 245)

<b>Date:</b>	<b>Calibrated by:</b>
<b>Previous Calibration Date:</b>	<b>Next Due:</b>
<b>Frequency:</b> 12 months	
<b>Action Recommended:</b>  Repair _____     Replace _____     None _____     Other _____	
<b>Calibration Equipment</b>	<b>Serial Number</b>
Balance	
Calipers	

AASHTO SPEC. Hammer I.D.	98.4 mm ± 1.0 Dia. of face	4527 g. - 4545 g. Sliding weight	18 inches ± 0.06 free fall